

Section 1. Product and Company Identification

Product Name	ZUD® HEAVY DUTY CLEANSER (POWDER)	MSDS#	Not available
Product Description	This MSDS applies to the nationally sold formula version of ZUD® Heavy Duty Cleanser. See the California-specific MSDS for the California version of this product.	Validation Date	9/11/2000
Manufacturer	Reckitt Benckiser Inc. 1655 Valley Road Wayne, N.J. 07474	Print Date	1/15/2001
Product Identifier	Not available.	In case of Emergency:	Telephone: 800-228-4722
Item Number	890573	Transportation Emergencies:	Chemtrec: 800-424-9300
Formula Number	Not available.		
UPC Number	62338-00710-06 (6 oz.), 62338-00750-06 (16 oz.).		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) SILICA, CRYSTALLINE	14808-60-7	70-80	TWA: 0.1 (mg/m ³) from ACGIH (TLV) Respirable. TWA: 0.3 (mg/m ³) from OSHA (PEL) Respirable.
2) OXALIC ACID	144-62-7	5-10	TWA: 1 STEL: 2 (mg/m ³) from ACGIH (TLV) TWA: 1 (mg/m ³) from OSHA (PEL)
3) PUMICE	1332-09-8	10-20	TWA: 15 (mg/m ³) from ACGIH (TLV) Total. TWA: 10 (mg/m ³) from OSHA (PEL) Total.

Section 3. Hazards Identification

Emergency Overview	WARNING: HARMFUL IF SWALLOWED. Contains oxalic acid. Irritating to eyes. Do not mix with chlorine type bleach or other household chemicals. KEEP OUT OF REACH OF CHILDREN.
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Section 4. First Aid Measures

Eye Contact	In case of eye contact, immediately rinse eyes with water, remove any contact lenses and continue to rinse eyes with plenty of water for at least 15 minutes. If irritation occurs or persists, get medical attention.
Skin Contact	In case of skin contact, wash skin thoroughly with soap and water. If irritation persists, consult a physician.
Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth and give a glass of water to drink. Contact a poison control center or physician immediately.

Section 5. Fire and Explosion Data

Flammability	Not flammable. See Section 14 for any Shipping Classifications.
Flash Point	Not applicable.
Explosive Limits in Air	Not applicable.
Products of Combustion	Not available.

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Fire and Explosion Hazards None known.

Fire Fighting Media and Instructions Not a fire hazard. Use extinguishing media suitable for surrounding materials.

Special Fire Fighting Instructions Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.

Section 6. Accidental Release Measures

Accidental Spill Small spill: Carefully sweep up raising a minimum of dust and discard into a household waste container for disposal.

Large spill: Contain and collect product with a minimum of dust and retain for evaluation. Dispose of according to local, state and federal regulations.

Section 7. Handling and Storage

Handling and Storage WARNING: Irritating to eyes. Harmful if swallowed. Contains oxalic acid. Do not mix with chlorine type bleach or other household chemicals.

Store in original container in an upright position in a cool, dry area inaccessible to children and pets. KEEP OUT OF REACH OF CHILDREN

Section 8. Exposure Controls/Personal Protection

Ventilation Requirements No specific controls are needed.

Eye Protection Avoid contact with eyes. Emergency responders should wear full eye and face protection.

Skin Protection Avoid skin contact. Emergency responders should wear impermeable gloves.

Respiratory Protection Avoid breathing dust. Emergency responders should wear suitable respiratory protection where exposure to airborne dust is possible.

Other Protection None required

Work/Hygienic Practices Washing with soap and water after use is recommended as good hygienic practice to prevent possible skin irritation and/or eye irritation from hand contact.

Section 9. Physical and Chemical Properties

Description Free-flowing powder.

Odor None

pH 1.5-2.5 (3% aqueous slurry).

Color White. Off-white.

Boiling/Condensation Point Not applicable.

Specific Gravity 0.800 - 0.962 g/cc

Vapor Pressure Not determined.

Vapor Density Not determined.

Viscosity Not available.

Solubility <10% at 70 °F.

Physical Chemical Comments Not available.

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Do not use or mix with chlorine type bleaches or other household cleaning agents as harmful fumes may result. May be harmful to painted or lacquered surfaces. Requires very gentle rubbing for use on fiberglass, countertops, and plastic surfaces.
Hazardous Decomposition Products	Oxalic acid may generate formic acid and carbon monoxide under fire conditions.
Hazardous Polymerization	None known.

Section 11. Toxicological Information**Exposure effects**

Eye Contact	Irritating to eyes.
Skin Contact	Not a primary skin irritant. May cause skin irritation upon prolonged or repeated contact.
Inhalation	Inhalation toxicity not determined. May cause irritation to mucous membranes.
Ingestion	Harmful if swallowed.
Carcinogenicity	Respirable crystalline silica has been designated by NTP and OSHA as a suspect carcinogen and by IARC as a Group 1 carcinogen. However, the use of this product in accordance with label instructions is not expected to result in adverse health effects.

Section 12. Ecological Information

Ecotoxicity	Not available.
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Section 13. Disposal Considerations

Waste Disposal	Discard small quantities with household trash collection. For large quantities, dispose of in accordance with local, state and federal regulations.
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Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).	
Proper Shipping Name	Not applicable.	
DOT Identification Number	Not applicable.	
Packing Group	Not applicable.	
Maritime Transportation	Not available.	
Hazardous Substances Reportable Quantity	Not available.	
Special Provisions for Transport	Not available.	
TDG Classification	Not a TDG controlled material.	

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ADR Classification	Not available.
IMDG Classification	Not controlled under IMDG.
IATA Classification	Not controlled under IATA.

Section 15. Regulatory Information

Federal and State Regulations	SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting: None California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act: 1) Not available.
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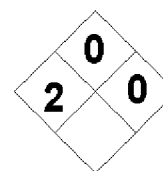
Other Classifications	WHMIS (Canada) Not controlled under WHMIS (Canada).
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Section 16. Other Information**HMIS (U.S.A.)**

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	a

National Fire Protection Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

NFPA Aerosol Level Not applicable.**Validated by Product Safety on 9/11/2000.****Printed 1/15/2001.****Notice to Reader**

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